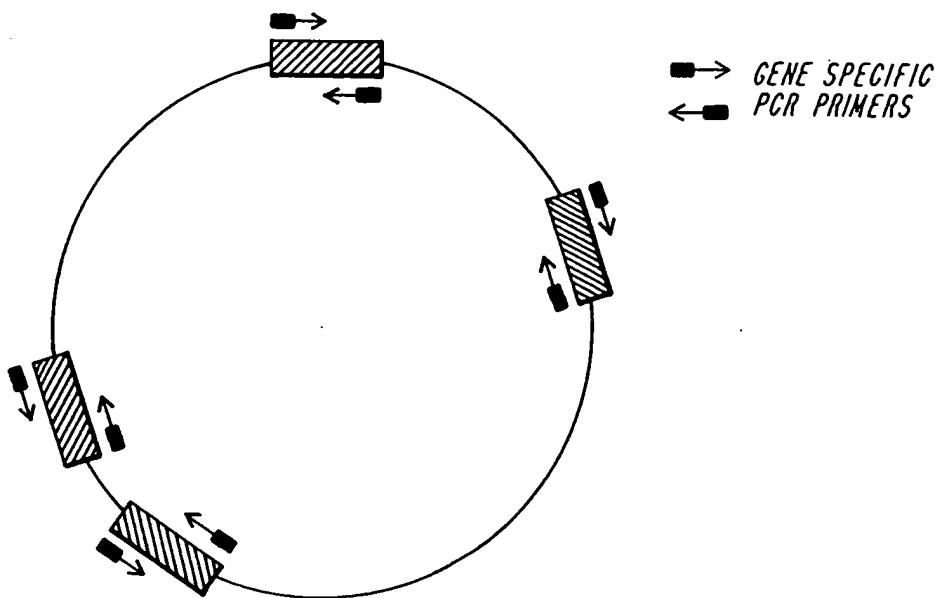
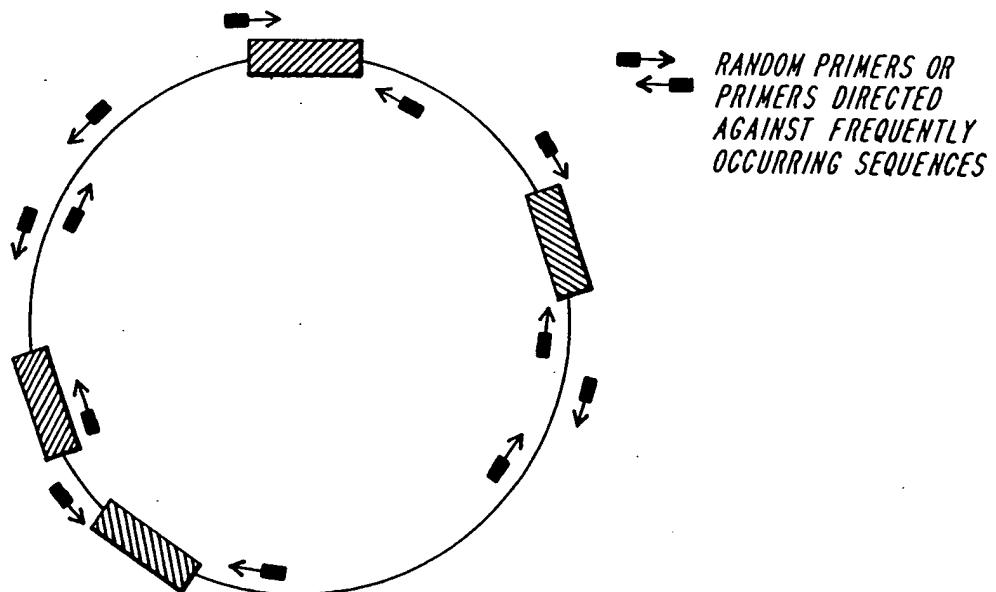


FIG. 1



*FIG. 2A*



*FIG. 2B*

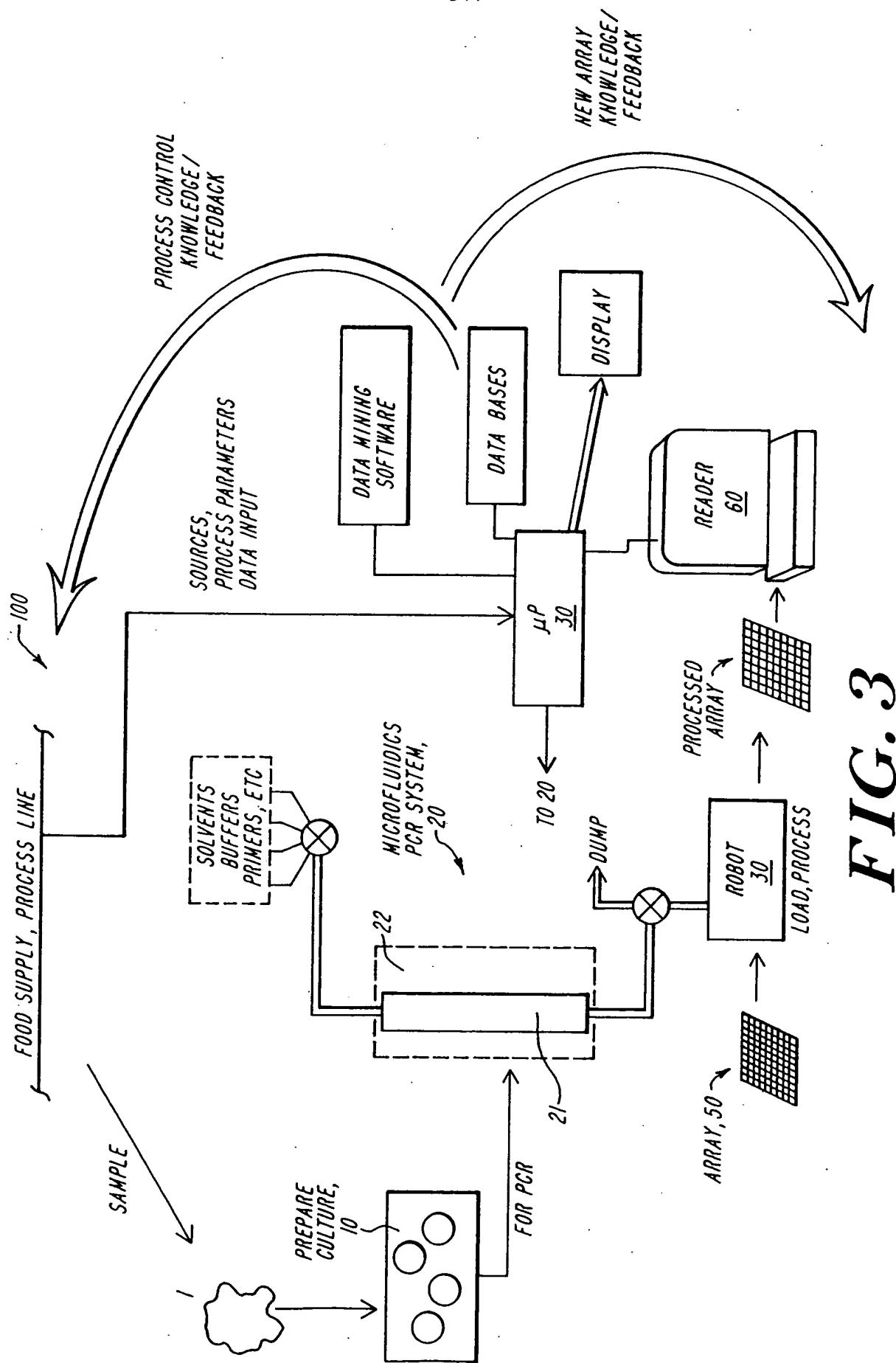


FIG. 3

Gene target table for model array

	A-B	C-D	E-F	G-H	I-J	K-L	M-N	O-P	Q-R	S-T	U-V	W-X
1 Bacillus/Listeria	Bacillus Hemolysin BL	Bacillus Enterotoxin	Bacillus dacF	Bacillus spoilGA	Bacillus sigE	Bacillus Enter- Toxin A (hbB)	Bacillus spoOA	Bacillus spoilAA	Listeria lpa-f60	Listeria lta	Listeria mp/	
2 Controls	Blank	Blank	Control gfp	Control gfp 1:10	Control gfp 1:100	Control gfp 1:1000			Control gfp	Control gfp		
3 Campylobacter/Lis- teria	Campy cjaA	Campy lig3	Campy flaB	Campy ciaE	Campy folP	Campy pglD	Campy pglF	Campy pglB	Listeria lnlB	Listeria hlyA	Listeria inlA	
4 E.coli/Listeria	E.coli 23sRNA	E.coli lacZ	E.coli thtRNA	E.coli hyd	E.coli gdn	E.coli rposS	E.coli uidA	E.coli alr	Listeria prfA	Listeria prlB	Listeria prlC	
5 Yersinia/O157	Yersinia yopD	Yersinia yopB	Yersinia yopH	Yersinia yopE	Yersinia lcrV	Yersinia virF	Yersinia yopN	Yersinia yopP	Yersinia yopM	Yersinia ehxA	Yersinia hlyA	O157:H7 O157:H7 toxB
6 Staphylococcus aureus/E. coli O157:H7	S. aureus entG	S. aureus sarA	S. aureus entA	S. aureus entD	S. aureus nuclease	S. aureus ser1A	S. aureus agrB	S. aureus entI	S. aureus tssf-1	S. aureus espP	O157:H7 eeeA	O157:H7 O157:H7 etpC
7 Shigella/E. coli O157:H7	Shigella fur	Control gfp	Shigella stxA	Shigella lpaC	Shigella vacB	Shigella lpaB	Shigella vifR	Shigella sod	Shigella gfp	Control gfp		Shigella vifF
8 Salmonella/E. coli O157:H7	Salmonella sopE	Salmonella pagC	Salmonella invJ	Salmonell spfA	Salmonell prgK	Salmonell traJ	Salmonell traK	Salmonell invH	Salmonell traB	O157:H7 Ror2	O157:H7 stx2	O157:H7 escT

FIG. 4

# FIG. 4A

1A-1R = *Bacillus cereus*

2A-2Z = controls

3A-3R = *Campylobacter jejuni*

4A-4R = *E. coli*

5A-5R = *Yersinia enterocolitica*

6A-6R = *Staphylococcus aureus*

7A-B, 7E-L, 7O-T, 7W-X = *Shigella dysenteriae*

8A-8R = *Salmonella enterica*

1S-1X = *Listeria monocytogenes*

2S-2X = controls (UV are positive controls)

3S-3X = *Listeria monocytogenes*

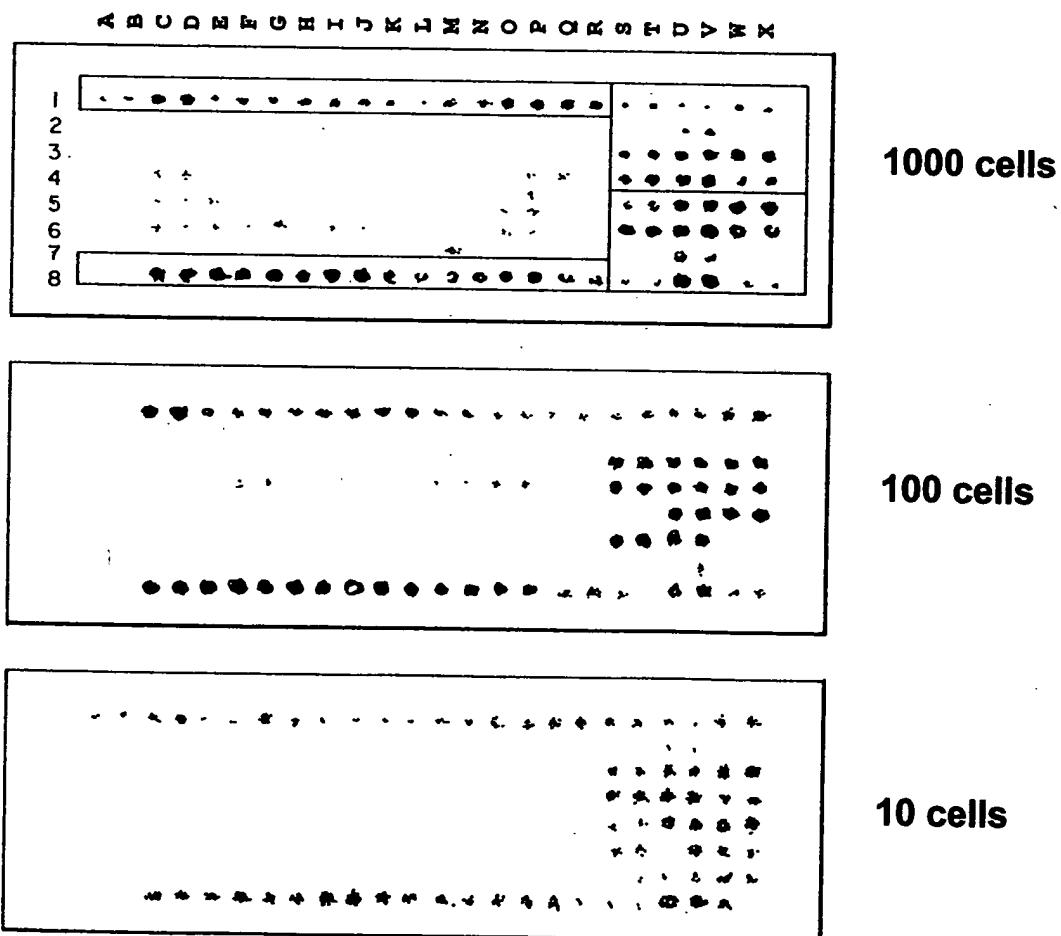
4S-4X = *Listeria monocytogenes*

5S-5X = *E. coli* O157:H7

6S-6X = *E. coli* O157:H7

7C-D, 7M-N, 7U-V = controls (UV are + controls)

8S-8X = *E. coli* O157:H7

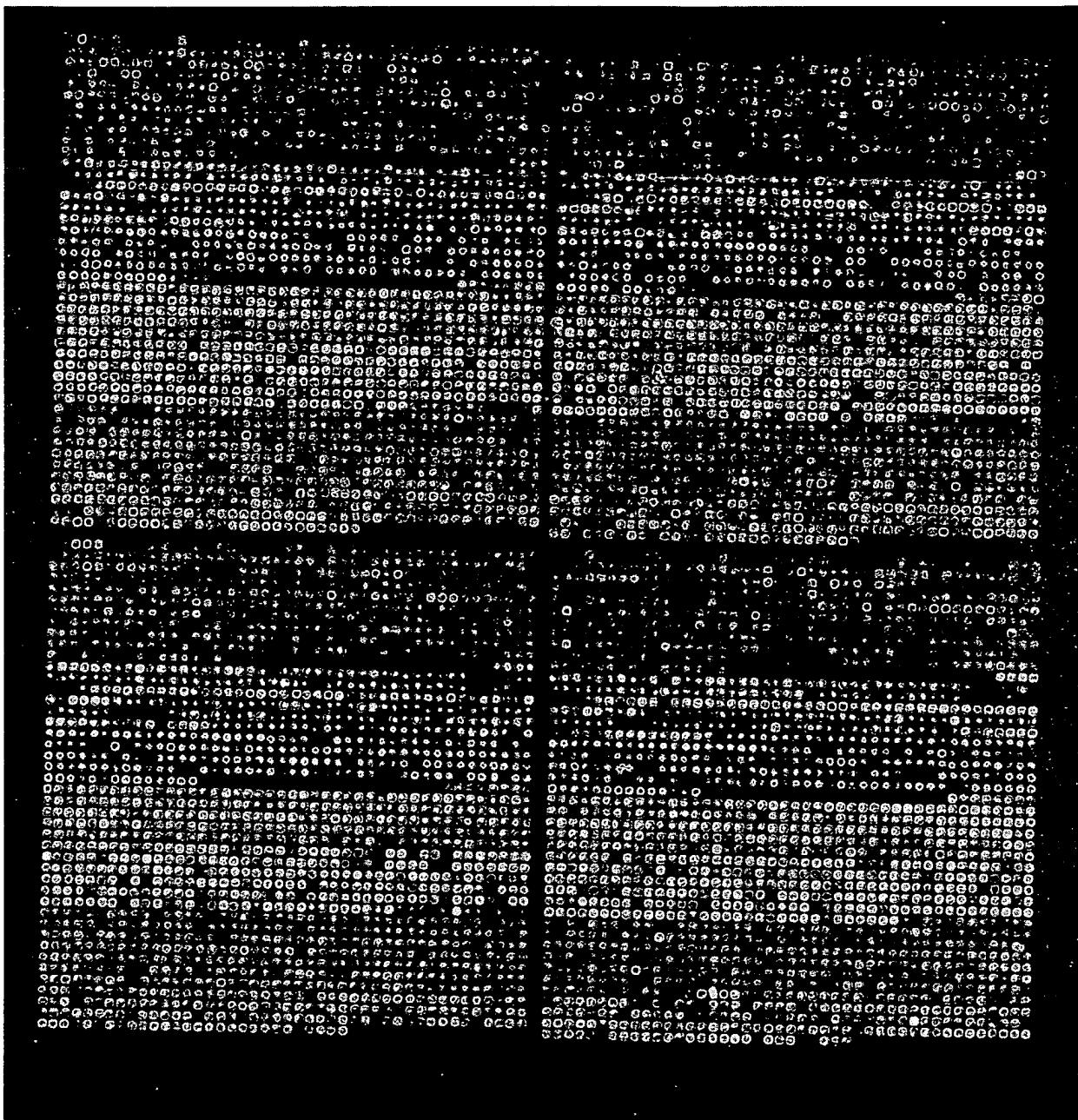


1000 cells

100 cells

10 cells

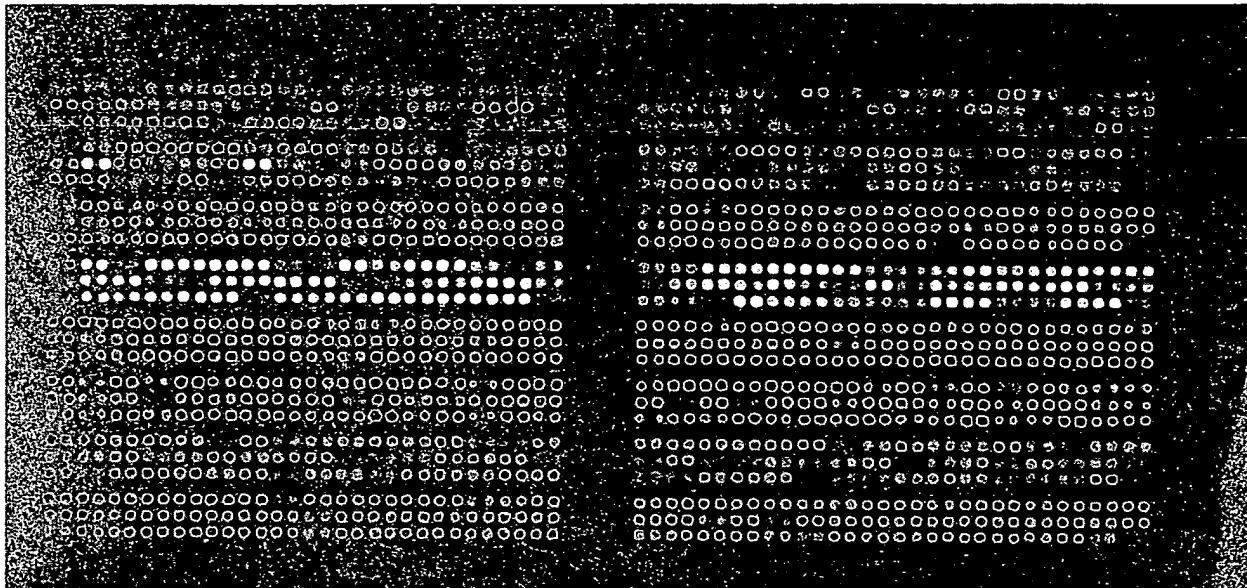
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**FIG. 5**

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**FIG. 6**

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